

## ABSTRACT

A tuning fork resonator comprises a base portion and leg portions extending from the base portion. A groove portion is formed in a major surface of each leg portion. An in-groove electrode is formed in the  
5 groove portion. A side surface electrode is formed on a side surface of the leg portion. The in-groove electrode and the side surface electrode are connected via a base portion electrode formed in the base portion. An outward extending groove electrode extending on a vertical wall  
10 facing the base portion and a leg portion tip-side major surface from the in-groove electrode of the groove portion, and a beside-groove electrode for leading the outward extending groove electrode on the leg portion major surface along beside the groove portion to the base portion electrode, are formed.